

**Worksheet #2: Physical/Chemical
Properties/Changes**

Name _____

I. Fill in the Blanks

_____ properties can be observed without chemically changing matter.
_____ properties describe how a substance interacts with other substances. _____ have definite shapes and definite volumes.
_____ have indefinite shapes and definite volumes. _____ have indefinite shapes and indefinite volumes.

Phase changes are _____ changes. _____ point is the temperature at which a liquid turns to a solid. It is also equal to the _____ point which is the temperature at which a _____ turns to a _____. _____ point is the temperature at which a liquid turns to a gas, and _____ point is the temperature at which a gas turns to a liquid. Occasionally, a solid turns directly into a gas without turning into a liquid first. This is called _____.

II. Label these properties as chemical (C) or physical (P). Be certain to know the definition of each of these properties.

combustibility	_____	density	_____
malleability	_____	tendency to corrode	_____
weight	_____	volume	_____
failure to react	_____	melting point	_____
ductility	_____	odor	_____
texture	_____	flammability	_____

III. Label these changes as chemical (C) or physical (P).

digestion of food	_____	explosions	_____
getting a haircut	_____	lighting a candle	_____
evaporation	_____	tarnishing silver	_____
ice cube melting	_____	formation of acid rain	_____
crushing rocks	_____	dissolving salt in water	_____